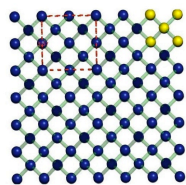


ADAMAS

Advanced Diamond Assemblies

1st Workshop @**GSI**

16. – 18. December 2012

**A G E N D A****Sunday, 16. 12. Welcome/Registration****18:00** ⇒ ⇒ ⇒ ⇒ **GSI Guest House Foyer****19:30** Bus to restaurant 'Sitte' down town Darmstadt <http://www.restaurant-sitte.de/>**Monday, 17. 12. Meeting ⇒ KBW Hörsaal ⇒ Room: KBW.1.17**

9:00	Welcome and ADAMAS News	Elèni Berdermann	(GSI - DL)
	HGF Detector Portfolio	Christian Schmidt	(GSI - DL)

Session I ⇒ Diamond Provisioning, Post-Processing, Readout *Chair: Christian Schmidt*

9:15	Element Six: Diamond Material for Radiation Detectors	Simon Mathias	(E6)
9:40	The challenge of adding DIAMOND processing into a SILICON DETECTOR manufacturing operation	Colin Wilburn Stephen Bishton	(MICRON)
10:05	CIVIDEC summary of 2012	Erich Griesmayer	(CIVIDEC)

10:30 Coffee Break (30 min)

11:00	Diamond laser micro-machining for 3D diamond detectors applications	Caylar Benoit	(CEA Saclay)
11:25	3D diamond detectors	Alexander Oh	(CERN/ U Manchester)
11:50	Super-thin scCVD diamond membrane detectors	Michal Pomorski	(CEA Saclay)
12:15	Silicon On Diamond Detectors Project	Silvio Sciortino	(U/ INFN Firenze)

12:40 Lunch at GSI canteen + 13:45 Photo Session ⇒ at GSI's little lake (next to main entrance)**Session II ⇒ Diamond Characterization***Chair: Matthias Schreck*

14:00	Dislocations in DOI films	Christian Stehl	(U Augsburg)
14:25	Ion beam fabrication and IBIC characterization of a diamond particle detector with integrated graphitic micro-electrodes	Jacopo Forneris	(U Torino)
14:50	X-ray induced photocurrent characteristics of CVD diamond detectors with different amorphous carbon electrodes	Fabio Schirru	(IRB Croatia)
15:15	Can 3D Charge Collection Efficiency Tomography be used for grain boundary mapping in pCVD	Daniel Dobos	(CERN)
15:40	Cryogenic TCT measurements with scCVD Diamonds	Hendrik Jansen	(CERN)

16:05 Coffee Break (30 min)

Session III ⇒ Radiation Hardness*Chair: Wim de Boer*

16:35	Modeling of carrier dynamics and damage processes in materials interacting with intense radiation sources	Tzveta Apostolova	(INRNE Sofia)
17:00	Radiation hardness issues in diamond	Riccardo Mori	(INFN Firenze)
17:25	Radiation hardness tests on thin diamond detectors	Veljko Grilj	(IRB Croatia)
17:50	Radiation damage in the diamond based beam condition monitors of the CMS experiment at the LHC	Moritz Guthoff	(KIT Karlsruhe)
18:15	Properties of scCVD diamonds irradiated with a high intensity Au beam	Jerzy Pietraszko	(GSI - HADES)

19:30 Dinner Buffet, GSI Guest House Foyer**Tuesday, 18. 12. Meeting ⇒ KBW Hörsaal ⇒ Room: KBW.1.17****Session IV ⇒ Diamond Detectors (I)***Chair: John Morse*

9:00	Progress on single crystal diamond beam position monitors for synchrotron X-Ray Beams	John Morse	(ESRF)
9:25	Application of Diamond Based Beam Loss Monitors	Maria Hempel	(DESY/ BTU/ CERN)
9:50	Diamonds for beam loss monitoring of LIPAc accelerator	Jacques Marroncle	(CEA Saclay)
10:15	Diamonds as potential cryogenic beam loss monitors for the LHC	Christoph Kurfürst	(CERN)
10:40	Spectroscopic measurements with the Diamond Mosaic-Detector at n_TOF at CERN	Christina Weiss	(CERN/ TU Wien)

11:05 Coffee Break (25 min)**Session V ⇒ Diamond Detectors (II)***Chair: Michal Pomorski*

11:30	Applications of large-area diamond devices in space experiments and radiotherapy	Mara Bruzzi	(INFN Firenze)
11:55	Large Area Continuous Position Sensitive Diamond Detector: first test results	Mircea Ciobanu	(ISS Bucharest)
12:20	Mosaic detector: Experiments for therapy and space research	Radek Pleskac	(GSI – BIO)
12:45	Diamond hodoscope for hadron therapy	Michal Pomorski	(CEA Saclay)

13:00 Lunch, GSI canteen**Session VI ⇒ Diamond Detectors (III)***Chair: Mladen Kiš*

14:15	Development of Front End Electronics for Beam Condition Monitor at CMS	Dominik Przyborowski	(AGH-UST)
14:40	Diamond Detectors for Transactinide Experiments	Patrick Steinegger	(PSI)
15:05	A CVD diamond detector for a slowed down Ion beam in high energy laser environment	Alexander Knetsch	(GSI - PP)
15:30	On the use and applications of diamond detectors in alpha-particle spectrometry	José Dueñas	(U Huelva)
15:55	Interaction detector for CBM	Piotr Koczon	(GSI – CBM)
16:20	Concluding Remarks	CJS, EBe	(GSI – DL)

16:30 End of the WorkshopContact: e.berdermann@gsi.de